

Purchase Order Receipt Listing

Monday, July 10, 2017 1:05:44 PM

All amounts are calculated in domestic currency.

All Vendors PO ID PO36886 Receipt Dates from 7/7/2017 to 7/7/2017 All Line Item Types
All Item ID/GL/WOs All Rec. Employees All Currencies
Grouped by Vendor ID

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date Required Qty	Recv Date/ Date/ Recv Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MIRB Qty/ MRB Reject Qty	Book Amt
Vendor ID \ Vendor Name VC-CAM002 Acier Ouellette Inc.											
PO36886	1		M6061T6B0.750X06. f	DAS	7/6/2017	7/7/2017	20.0000	\$12.71	0.0000	0	\$254.19
CAD	No		6061T6 BAR .750 X f 9	9-89	20.0000	PL0U01		\$254.19	0.0000	0	
			6.00								
			m137980								
	2		M6061T6B0.750X01. f		7/6/2017	7/7/2017	60.0000	\$2.66	0.0000	0	\$159.76
No			500								
			6061-T6 Bar .750 X f		60.0000	PL0U01		\$159.76	0.0000	0	
			1.50								
			m137980								
	3		M6061T6B0.750X08. f	DAS	7/6/2017	7/7/2017	12.0000	\$14.18	0.0000	0	\$170.19
No			000								
			6061-T6 BAR .750" f	9	12.0000	PL0U01		\$170.19	0.0000	0	
			X 8.00"	9-89							
			m137980								
	4		M6061T6B1.000X02. f	DAS	7/6/2017	7/7/2017	20.0000	\$4.73	0.0000	0	\$94.68
No			000								
			6061-T6 Bar 1.00 x f	9	20.0000	PL0U01		\$94.68	0.0000	0	
			2.00	9-89							
			m137980								
	5		M6061T6B1.000X04. f	DAS	7/6/2017	7/7/2017	20.0000	\$10.61	0.0000	0	\$212.28
No			000								
			6061-T6 Bar 1.00 x f	14	20.0000	PL0U01		\$212.28	0.0000	0	
			4.00	9-89							
			m137980								
	6		M6061T6B1.000X06. f		7/6/2017	7/7/2017	24.0000	\$14.94	0.0000	0	\$358.51
No			000								
			6061T6 BAR 1.00 X f		24.0000	PL0U01		\$358.51	0.0000	0	
			6.00								
			m137980								

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M/ Stock U/M	Required Date	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ Reject Qty	Book Amt
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VendorID/Vendor Name

VC-CAM002

Acier Ouellette Inc.

PO36886

M6061T6B1.500X01. f

DAS

7/6/2017 7/7/2017

12.0000

\$4.92

0.0000

0

\$59.07

CAD No

250 6061-T6 Bar 1.50 x 1.25

14 9-89

12.0000 PLOU01

\$59.07

\$59.07

0.0000

0

\$59.07

m137980

9

M6061T6B4.500X4.5 f

DAS

7/6/2017 7/7/2017

4.0000

\$67.42

0.0000

0

\$269.67

No

6061-T6 Aluminum Bar 4.500" X 4.500"

14 9-89

4.0000 PLOU01

\$269.67

\$269.67

0.0000

0

\$269.67

m137980

10

M6061T6S.040

DAS

7/6/2017 7/7/2017

64.0000

\$5.86

0.0000

0

\$374.84

No

6061-T6 .040 Sheet

5 9-89

64.0000 PLOU01

\$374.84

\$374.84

0.0000

0

\$374.84

m137980

11

M6061T6S.125

DAS

7/6/2017 7/7/2017

32.0000

\$4.97

0.0000

0

\$159.18

No

6061-T6 .125 Sheet

5 9-89

32.0000 PLOU01

\$159.18

\$159.18

0.0000

0

\$159.18

m137980

12

M2024T3S.080

48

7/6/2017 7/7/2017

48.0000

\$4.98

0.0000

0

\$239.16

No

2024-T3 .080 sheet

9-89

48.0000 PLOU01

\$239.16

\$239.16

0.0000

0

\$239.16

m137980

13

M303R0.750

14

7/6/2017 7/7/2017

24.0000

\$4.05

0.0000

0

\$97.23

No

303 Round Bar 0.750 f

9-89

24.0000 PLOU01

\$97.23

\$97.23

0.0000

0

\$97.23

m137980

14

M304S18GA

DAS

7/6/2017 7/7/2017

64.0000

\$4.13

0.0000

0

\$264.10

No

304/316 .050 Sheet

5 9-89

64.0000 PLOU01

\$264.10

\$264.10

0.0000

0

\$264.10

m137980

15

M304S20GA

DAS

7/6/2017 7/7/2017

64.0000

\$3.01

0.0000

0

\$192.76

No

304/316 .040 Sheet

5 9-89

64.0000 PLOU01

\$192.76

\$192.76

0.0000

0

\$192.76

m137980

16

M6061T6R0.375

14

7/6/2017 7/7/2017

20.0000

\$0.30

0.0000

0

\$6.05

No

6061-T6 Round Bar .375"

14 9-89

20.0000 PLOU01

\$6.05

\$6.05

0.0000

0

\$6.05

m137980

17

M6061T6B2.000X03. f

DAS

7/6/2017 7/7/2017

12.0000

\$11.06

0.0000

0

\$132.71

No

500 6061-T6 Bar 2.00 x 3.50

9 9-89

12.0000 PLOU01

\$11.06

\$11.06

0.0000

0

\$132.71

m137980

Monday, July 10, 2017 1:05:44 PM

Purchase Order Receipt Listing

Page 2 of 3

Purchase Order ID/ Curr Type	Line Nbr/ Insp Req	Project ID	Reference/ Description/ Cert Std	PO U/M / Stock U/M	Required Date Required Qty	Recv Date/ Emp	Recv Qty (PO U/M)	Cost Per Unit/ Recv Value	Inspected Qty/ Rejected Qty (PO U/M)	MRB Qty/ MRB Reject Qty	Book Amt
VendorID\Vendor Name		VC-CAM002	Acier Ouellette Inc.								
PO36886	18		71401-45		7/6/2017	7/7/2017	1.0000	\$0.00	0.0000	0	\$0.00
CAD	No		PROCUREMENT QUALITY CLAUSES m137980		1.0000	PL0U01		\$0.00	0.0000	0	
<div>Total Received Quantity:501.0000</div> <div>Total Qty to Inspect (PO U/M):0.0000</div> <div>Total Reject Quantity:0.0000</div> <div>Total Receipt Value:\$3,044.36</div> <div>Total Balance Due Quantity:0.0000</div>											



ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CL10001056
Date 2017/06/29
Delivery date 2017/07/06
Your order N° PO36886
Processed by Eric Kaehlert
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme Net 30 Days
Page 1

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
				CMD	EXP	B/O	IN	I	S C
1 FLAT ALU 3/4 X 6 6061-T6 (20) FAL-346-20 1 X 20' HT# SXD160817 DAS 9-89	105.74	20.00	PI_\$CLB						
2 FLAT ALU 3/4 X 1 1/2 6061-T6 (20) FAL-34112-20 3 X 20' HT# 68549 DAS 9-89	81.00	60.00	PI_\$CLB						
3 FLAT ALU 3/4 X 8 6061-T6 (12) FAL-348-12 1 X 12' HT# 3B3822 DAS 9-89	84.96	12.00	PI_\$CLB						

NIR : R-109516-6



DELIVERY - USINE

CO00038492

ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056

Date 2017/06/29

Delivery date 2017/07/06

Your order N° PO36886

Processed by Eric Kaehlert

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Page 2

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Instruction	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
					CMD	EXP	B/O	IN	I	S C
4	FLAT ALU 1 X 2 6061-T6 (20) FAL-12-20 1 X 20' HT#67956 DAS 2475 9 9-89	48.00	20.00	PI_\$CLB						
5	FLAT ALU 1 X 4 6061-T6 (20) FAL-14-20 1 X 20' HT#385906 DAS 8133 14 9-89	96.00	20.00	PI_\$CLB						
6	FLAT ALU 1 X 6 6061-T6 (12) FAL-16-12 2 X 12' HT#36576	169.18	24.00	PI_\$CLB						

NIR : R-109516-6

Next Page...

DELIVERY - USINE

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CLI0001056

Date

2017/06/29

Delivery date

2017/07/06

Your order N°

PO36886

Processed by

Eric Kaehlert

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Page

3

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction	F-M	Delivery Route	5	Page	3	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only				
										CMD	EXP	B/O	IN	I	S	C	OUT
7		FLAT ALU 1 X 12 6061-T6 (12) FAL-112-12 2436 1 X 12' HT#105574	169.34	12.00	PI_\$CLB												
8		FLAT ALU 1 1/4 X 1 1/2 6061-T6 (12) FAL-114112-12 2451 DAS 1 X 12' 14 9-89 HT#17025431A	26.44	12.00	PI_\$CLB												
9		ALUMINIUM 6061-T6511 4-1/2" SQUARE N 1 X 48" LG DAS 9 9-89 HT#107012		1.00	UN												

NIR : R-109516-6

Next Page...



DELIVERY - USINE

CO00038492

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056
Date 2017/06/29
Delivery date 2017/07/06
Your order N° PO36886
Processed by Eric Kaehlert
Salesman
Carrier OUELLETTE VALLEYFIELD
Credit Terme Net 30 Days
Page 4

Billed to

DART AEROSPACE LTD
1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction	F-M	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
						CMD	EXP	B/O	IN	I	S C
10		ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061 3125 2 X 4' X 8' HT#T114421	36.03	64.00	PI2_\$CLB						
11		ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 1 X 4' X 8' HT#GJNH1612-026	56.45	32.00	PI2_\$CLB						
12		ALU SHEET .081 (12G) 2024-T3 (4 X 12) FEAL-0814122024 3192 1 X 4' X 12' BARE HT#300	54.77	48.00	PI2_\$CLB						

NIR : R-109516-6

Next Page...



DELIVERY - USINE

CO00038492

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N° CLI0001056

Date 2017/06/29

Delivery date **2017/07/06**

Your order N° PO36886

Processed by Eric Kaehlert

Salesman

Carrier OUELLETTE VALLEYFIELD

Credit Terme Net 30 Days

Page 5

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	OUT
13 ROUND SS 3/4 303 (12R) RSS-34303-12 5260 2' x 12' 14 HT#W4B3 9-89	36.05	24.00	PI2_\$CLB							
14 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 2' X 4' X 8' 5 HT#014V 0-89	134.40	64.00	PI2_\$CLB							
15 SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430 2' X 4' X 8' HT#160612C11	100.48	64.00	PI2_\$CLB							

NIR : R-109516-6

Next Page...

DELIVERY - USINE

ACIER OUELLETTE INC.

935, Boul. du Havre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Mtl: 514-336-4246 Ext.: 866-456-4242

Customer N°

CLI0001056

Date

2017/06/29

Delivery date

2017/07/06

Your order N°

PO36886

Processed by

Eric Kaehlert

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Page

6

Billed to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Delivery Route 5

Instruction F-M

Instruction	Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only		
					CMD	EXP	B/O	IN	I	S C
16	ROUND ALU 3/8 6061-T6 (20) RAL-38-20 1 X 20' DAS 5159 14 9-89 HT#68219	2.64	20.00	PI_\$CLB						
17	FLAT-ALU 2 X 3 1/2 6061-T6 RANDOM NS FAL-2312-V 1 X 12' 8260 HT#001M170213B	50.28	12.00	PI_\$CLB						

Conditions :

All sold and delivered materials remain the property of "Acier Ouellette Inc" until payment is made in full, complete and cashed. All lost materials are at the buyer's expense. The warranty offered by "Acier Ouellette Inc." is the same as offered and honored by the manufacturer and his warranty is transferred by "Acier Ouellette Inc." to the client. The buyer hereby accepts to respect the following conditions: Net 30 days from billing date and the buyer accepts to pay administration charges of 2% per month (24% per annum) on all past due amounts over 30 days. Any default in respect with this contract will lead to payment by acceleration and permits to the seller, at his choice to claim for the balance due or the repossession of the goods sold. All claims must be made within five (5) days with this document enclosed. Any merchandise that has been damaged, cut or modified cannot be returned. All goods returned must be with our authorization and are subject to a 25% restocking charge.

Total Weight (Lbs) : 1 251.76

NIR : R-109516-6

Prepared By :	Verified By :	Delivered By :	Time

Total (\$CAD)

Customer's Signature

Date

**ACIER OUELLETTE INC.**

935, Boul. du H vre . .
Salaberry de Valleyfield (Qu bec) J6S 5L1
T l.: 450-377-4248 M l: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 M l: 514-336-4246 Ext.: 866-456-4242

Invoice

FC00040419

Sold to

DART AEROSPACE LTD

1270 , ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : A VALIDER

Customer N 

CLI0001056

Date

2017/07/10

Your order N 

PO36886

Processed by

France

Salesman

ERIC

Carrier

OUELLETTE VALLEYFIELD

Credit Term

Net 30 Days

Order N 

CO00038492

Page

2

Product N� and description	Weight	Qty	U/M	Qty	U/M	Price	Pcs Nb	Price	Amount
HT#36576									
FLAT ALU 1 X 12 6061-T6 (12) FAL-112-12 2436 1 X 12'	0.00	0.00	PI_\$CLB	0.00	UN	0.00	0.00	0.000	0.00
HT#105574									
FLAT ALU 1 1/4 X 1 1/2 6061-T6 (12) FAL-114112-12 2451 1 X 12'	26.43	12.00	PI_\$CLB	1.00	UN	76.65	0.00	0.000	76.65
HT#17025431A									
ALUMINIUM 6061-T6511 4-1/2" SQUARE N	0.00	1.00	UN	1.00	UN	349.95	0.00	0.000	349.95
1 X 48" LG									
HT#107012									
ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061 3125 2 X 4' X 8'	36.03	64.00	PI2_\$CLB	2.00	UN	243.22	0.00	0.000	486.43
HT#T114421									
ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 1 X 4' X 8'	56.44	32.00	PI2_\$CLB	1.00	UN	206.57	0.00	0.000	206.57
HT#01/0068262/5 DAS 5									
ALU SHEET .081 (12G) 2024-T3 (4 X 12) FEAL-0814122024 3192 1 X 4' X 12' BARE	54.76	48.00	PI2_\$CLB	1.00	UN	465.53	0.00	0.000	465.53

Product N° and description	Weight	Qty U/M	Qty U/M	Price	Pcs Nb	Price	Amount
HT#300							
ROUND SS 3/4 303 (12R) RSS-34303-12 5760 <i>2 x 12' 5"</i>	37.30	24.84 PI_\$CLB	24.84 PI	5.26	0.00	0.000	130.58
HT#W4B3							
SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 <i>2 X 4' X 8'</i>	134.40	64.00 PI2_\$CLB	2.00 UN	171.36	0.00	0.000	342.72
HT#0L4V							
SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430 <i>2 X 4' X 8'</i>	100.48	64.00 PI2_\$CLB	2.00 UN	125.07	0.00	0.000	250.14
HT# 222X DAS 5 ROUND ALU 3/8 6061-T6 (20) 9-89 RAL-38-20 5159 <i>1 X 20'</i>	2.64	20.00 PI_\$CLB	1.00 UN	7.85	0.00	0.000	7.85
HT#68219							
FLAT ALU 2 X 3 1/2 6061-T6 RANDOM NS FAL-2312-V 8260 <i>1 X 12'</i> HT#001M170213B	50.28	12.00 PI_\$CLB	12.00 PI	14.35	0.00	0.000	172.21



ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Mtl: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 MU: 514-336-4246 Ext.: 866-456-4242

DELIVERY - USINE

CO00038492

Billed to

DART AEROSPACE LTD

1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Alt : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Page

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Customer N°

CL10001056

Date

2017/06/29

Delivery date

2017/07/06

Your order N°

PO36886

Processed by

Eric Kaehlert

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
10 ALU SHEET .040 (18G) 6061-T6 (4 X 8) FEAL-040486061 3125 2 X 4' X 8' HT#7114421	36.03	64.00	PI2_\$CLB							
11 ALU SHEET 1/8 6061-T6 (4 X 8) FEAL-18486061 4256 1 X 4' X 8' HT#01/0068262/5	56.45	32.00	PI2_\$CLB							
12 ALU SHEET .081 (12G) 2024-T3 (4 X 12) FEAL-0814122024 3192 1 X 4' X 12' BARE HT#300	54.77	48.00	PI2_\$CLB							

NIR : R-109516-6

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ACIER OUELLETTE INC.

935, Boul. du Hâvre
Salaberry de Valleyfield (Québec) J6S 5L1
Tél.: 450-377-4248 Int: 514-336-4248 Ext.: 800-667-4248
Fax: 450-377-5696 Int: 514-336-4246 Ext.: 866-456-4242

DELIVERY - USINE

CO00038492

Billed to

DART AEROSPACE LTD
1270, ABERDEEN ST.
HAWKESBURY, Ontario, K6A 1K7

Shipped to

, Ontario,

Att : CHANTAL LAVOIE Tél.: 613-632-5200

Instruction F-M

Delivery Route 5

Page

5

Customer N°

CL10001056

Date

2017/06/29

Delivery date

2017/07/06

Your order N°

PO36886

Processed by

Eric Kaehlert

Salesman

Carrier

OUELLETTE VALLEYFIELD

Credit Terme

Net 30 Days

Product Description	Weight	Qty	U/M	PCS NB			Internal Use Only			
				CMD	EXP	B/O	IN	I	S	C
13 ROUND SS 3/4 303 (12R) RSS-34303-12 5760 2 x 12'	36.05	24.00	PI_\$CLB							
HT#W4B3										
14 SHEET SS 18G SS304-2B (4 X 8) FESS-18G483042B 3425 2 X 4' X 8'	134.40	64.00	PI2_\$CLB							
HT#OL4V										
15 SHEET SS 20G SS304-2B (4 X 8) FESS-20G483042B 3430 2 X 4' X 8'	100.48	64.00	PI2_\$CLB							
HT# 222X										

NIR : R-109516-6

Next Page...



GLOBAL VIETNAM ALUMINIUM COMPANY LIMITED

Address: My Xuan B1-Conac industrial zone, My Xuan town, Tan Thanh district,
Ba Ria-Vung Tau province, Viet Nam

Tel: +84(0)643924954

Fax: +84(0)643924953

MILL TEST CERTIFICATE

Date: July 19, 2016

Consignee: :

PO number: P-16298

Customer PO: C72858

Shipping Ref No.: 16-0667

LC No.: DC HMN613447

Date of issue: July 13, 2016

Item Code: 1039500

Die Number: D00112

Alloy & Temper: 6061-T6511

Production Description: STANDARD ALUMINIUM EXTRUSION (BAR)
BAR V836002 3/4"x6" X 240" 6061-T6511 D00112

Length (inch): 240

Bundle number: P-16298-048

Heat Number: SXD160817

Date: 14/07/2016

Applicable Specifications: ASTM B221 STANDARDS

CHEMICAL ANALYSIS: %

R533895

Si	Mg	Fe	Cu	Mn	Cr	Zn	Ti	Al	Other		Remark:
									EACH	TOTAL	
0.637	0.935	0.214	0.250	0.015	0.080	0.006	0.014	98.775	<0.05	<0.15	12/07/2016

MECHANICAL ANALYSIS:

Ult. Strength (ksi)	Yield Strength (ksi)	Elongation % LN 2"	Remark:
46.8	39.5	11.7	12/07/2016

All profiles, each profile with each MTC, showing material shipped match aluminium alloy as per standard, with chemical analysis and mechanical analysis to match aluminium alloy standard.

We hereby certify that the item listed have been checked and tested in accordance with the specifications noted and have been found to meet all the applicable requirements. Certifications are kept on file for 36 months from the date of purchase and are available for review upon request, referring to ASTM and the PO number.



Quality Manager
TRUNG TÂM KIỂM NGHIỆM CÔNG TY
TNHH NHÓM TOÀN CẦU VIỆT NAM
GLOBAL VIETNAM ALUMINIUM
CO., LTD TESTING CENTER

2583

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER # 201
LAVAL, QC
H7L5R2**

commande / order # : **7011453**

bon de commande / Purchase order # : **OU-47404**

de matrice / Die # : **MS 16477**

Description : **1 1/2" X 3/4" FLAT BAR**

Alliage & trempage / Alloy & temper : **6061 T6** Longueur / Length : **6097 mm**

Contrôle / Control # : **84119-2**

Coulée / Cast # : **68549**

Dureté Rockwell E / Min. requis / Max. permis /
Rockwell E hardness : **94 HRE** Min. required : **88 HRE** Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0.28 - 0.60	0.13 - 0.25	0.10 Max	0.10 Max	0.35 - 0.73	0.10 Max	0.05 Max	0.05 Max
6005	0.68 - 0.72	0.15 - 0.27	0.04 - 0.08	0.06 - 0.08	0.48 - 0.52	0.03 Max	0.05 Max	0.03 Max
6005A	0.65 - 0.75	0.15 - 0.27	0.15 Max	0.20 - 0.30	0.45 - 0.55	0.10 Max	0.05 Max	0.05 Max
6061	0.50 - 0.76	0.13 - 0.29	0.15 - 0.28	0.10 Max	0.80 - 1.00	0.04 - 0.14	0.08 Max	0.05 Max
6351	0.7 - 1.3	0.5 Max	0.10 Max	0.40 - 0.80	0.40 - 0.80	—	0.50 Max	0.20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme **ASTM B-221-14** excepté pour la section 8.2 (nombre de spécimen) .

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen) .

Sincèrement vôtre, date : **2017-03-10**
Yours truly,

Daniel Alfredo Pelletier
Directeur Qualité
Quality Director

FA 34112

#2602

MILL TEST

FA 348

BILL TO		CERT CODE: 1		DIE NUMBER S 9604		DATE OF SHIPMENT Sep/29/2016		MANIFEST NO. 197683 - 4	
SHIP TO		CUSTOMER PO 100664		ALLOY 6061		TEMPER T6		SALESMAN HOUSE ACCOUNTS	
ACIER QUELLETTE		CUSTOMER PART NUMBER DT09604		PART DESCRIPTION 8" X 3/4" FLAT BAR		CERIFICATION		MADE IN CANADA	
8" X 3/4" FLAT BAR						MILL TEST ASTM B221-14		357684	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Sep/24/2016	44.40	41.60	13.60	90.0, 90.6, 90.3	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	II	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
3B3822	A.11	6061	0.6	0.2	0.2	0.03	0.87	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

David Natale
Quality Control Manager



#2475

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER, #201
LAVAL, QC
H7L5R2**

commande : **6101541**

bon de commande / Purchase order # : **OU-46548**

de matrice / Die # : **MS 15914** Description : **2"X 1" FLAT BAR**

Alliage & trempage / Alloy & temper : **6061 T6** Longueur / Length : **6097 mm**

Contrôle / Control # : **79124-1**

Coulée / Cast # : **67956** DAS
9

Dureté Rockwell E / 9-69 Min. requis / Max. permis /
Rockwell E hardness : **96 HRE** Min. required : **88 HRE** Max. permitted : **100 HRE**


Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	—	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme **ASTM B-221-14** excepté pour la section 8.2 (nombre de spécimen) .

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen) .

Sincèrement vôtre, date : **2016-12-09**
Yours truly,


Gilles Pelletier
Technicien de la qualité
Quality technician

File 12

MILL TEST

#433

FAL 14

BILL TO

CERT CODE:

DIE NUMBER

DATE OF SHIPMENT

ANIFEST NO.

SHIP TO

ACIER QUELLETTE

SO DESCRIPTION
FLAT 4" X 1"CUSTOMER PO
104631
CUSTOMER PART NUMBER
S004657S 4657
ALLOY 6061
TEMPER T6
PART DESCRIPTION
FLAT 4" X 1"SALESMAN
HOUSE ACCOUNTS

205157 - 3

370366

MADE IN CANADA

CERTIFICATION
MILL TEST ASTM B221-14

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	May/10/2017	46.20	42.40	14.50	92.0, 92.1, 92.3	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	Ti	Ga	V	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
385906	A.11	6061	0.61	0.16	0.21	0.03	0.87	0.07	0	0.01	0.01	0	0	0	0	0	0	0	0	0	0	0

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

DAS
14
9-89
17/07/14

T. Mohabir
Quality Control Manager

1 - CUSTOMER COPY

#2535

FHL-16-10

1/CA 1306

48110

MILL TEST

BILL TO	CERT CODE:	DIE NUMBER	DATE OF SHIPMENT	MANIFEST NO.
SHIP TO ACIER OUELLETTE	1	S 4658	Jun/08/2017	206192 - 1 372109
SO DESCRIPTION	CUSTOMER PO	ATTN	TELEPER	SALESMAN
1" X 6" FLAT BAR	105367 /OU-47826	6061	T6	HOUSE ACCOUNTS
	CUSTOMER PART NUMBER	PART DESCRIPTION		
	DT04658	1" X 6" FLAT BAR		
		CERTIFICATION		
		MILL TEST ASTM B221-14		

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell E	Conductivity
A.11	6061	May/26/2017	44.50	40.70	15.80	91.1,91.2,91.3	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	P	Sb	Y	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other	
36576	A.11	6061	0.563	0.21	0.202	0.0572	0.866	0.0505	0	0.0161	0.023	0	0	0	0	0	0	0	0	0	0	0	0

DAS
14
9-89
17402/14

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.

T. Mohabir

Tulsiram Mohabir
Quality Control Manager

1 - CUSTOMER COPY

C038492

2436

LES ACIERS OUELLETTE INC.

BARRE RECT. ALUM ECONOPLAT 6061-T6511
1.00" X 12.00" X 144.0000"
PART NO.

PO/Ref 011-75127

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du matériel ou les données résultent

Certificate of Mill Test Results

RE: VIM-469531 003

12/20/16

Pg 1/1

de l'analyse faite par un laboratoire qualifié
SIGNÉ PAR: LUCY TRUGLIO

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT
<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: VIM-633551-9		CUSTOMER PART NUMBER: W73/STK		PRODUCT DESCRIPTION: 1.000 X 12.000 PRECISION WIDE BAR	
KAISER ORDER NUMBER: 690509	LINE ITEM: 009	SHIP DATE: 11/20/2015		KAISER LOT NUMBER: Z00014100	ALLOY: 6061
WEIGHT SHIPPED: 1016.000 LB		QUANTITY: 6.000 PCS	B/L NUMBER: 613952	DIAM/DAF/THKNS. WIDTIE:	TEMPER: T6511
SHIP TO:		SOLD TO:			

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z00014100	0001	1	45.5	41.4	10.0	RE 94	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.30	0.70	0.40	0.15	0.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.60	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
105574	.77	.31	.29	.10	.95	.09	.05	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SH221 1996 SECT II AMS-QQ A-200/BA UNS-A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA
MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILIZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00204344
Kaiser Order Number: 690509
Line Item: 009

41434
 7128 811
 41434

MILL TEST

BILL TO	CERT CODE: 1	DIE NUMBER S 4676	DATE OF SHIPMENT Feb/16/2017	MANIFEST NO. 202525 - 1
SHIP TO ACIER OUELLETTE	CUSTOMER PO 103226	ALLOY 6061	TEMPER T6	SALESMAN HOUSE ACCOUNTS
SO DESCRIPTION FLAT BAR 1-1/2" X 1-1/4" SQ	CUSTOMER PART NUMBER DT04676	PART DESCRIPTION FLAT BAR 1-1/2" X 1-1/4" SQ	MADE IN CANADA CERTIFICATION MILL TEST ASTM B221-14	

Mechanical Properties

Lot	Alloy	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation	Hardness Rockwell F	Conductivity
A.11	6061	Feb/16/2017	43.40	39.20	18.80	89.3, 89.4, 89.5	

Chemical Composition

Cast Number	Lot	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Ni	Zn	P	Sb	B	Zr	Bi	Pb	Sn	Sr	Co	Al	Other
17025431A	A.11	6061	0.55	0.17	0.2	0.01	0.8	0.08	0	0.01	0	0	0	0	0	0	0	0	0	0	0

DAS
 14
 9-89 17210714

We certify that the following extrusions have been quality inspected/tested and conforms to required dimensional and temper specifications.



David Natale
 Quality Control Manager

CO. 38492

Certificate of Mill Test Results

ACIER OUELLETTE DIV. VALLEYFIELD
BARRE CARREE ALUMINIUM 6061-T6511
4.50" X 48.0000"
PART NO.

PO/Rel AC00007267

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du materiel ou les donnees resultant

de l'analyse faite par un laboratoire qualifie.
SIGNE PAR:

BL VIM-514616-001

5Jul17

Pg 1/1

KAISER
ALUMINUM
FABRICATED PRODUCTS

Best in Class

CERTIFIED TEST REPORT

<http://Online.KaiserAluminum.com>

KAISER ALUMINUM
FABRICATED PRODUCTS, LLC
5205 KAISER DRIVE
KALAMAZOO, MI 49048

CUSTOMER PO NUMBER: VIM-641296-2		CUSTOMER PART NUMBER: 328/STK		PRODUCT DESCRIPTION: 4.500 SC 8Q BAR	
KAISER ORDER NUMBER: 6030643	LINE ITEM: 002	SHIP DATE: 05/09/2017	KAISER LOT NUMBER: Z00781015	ALLOY: 6061	TEMPER: T6511
WEIGHT SHIPPED: 1143.000 LB	QUANTITY: 4.000 PCS	B/L NUMBER: 619063	DIAM/DAF/THKNS: 	WIDTH: 	LENGTH: 12.000 FT
SHIP TO: <i>del 17/07/10</i>			SOLD TO: 		

Actual Physical Properties

REFERENCE	DASH#	SAMPLE#	UTS (KSI)	YTS (KSI)	ELONG%	HARDNESS	CONDUCT.	BEND
Z0C781015	C001	0001	56.9	53.9	15.6	RE 93	N/A	N/A

Chemical Composition (wt%), Aluminum Remainder

LIMITS	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Pb	Bi	Zr	Ea	Tot
Maximum	0.80	0.70	0.40	0.15	1.20	0.35	0.25	0.15	NA	NA	NA	0.05	0.15
Minimum	0.40	0.00	0.15	0.00	0.80	0.04	0.00	0.00	NA	NA	NA	0.00	0.00
107012	.75	.29	.28	.10	.94	.09	.06	.02	.00	.00	.00	.01	.03

Applicable Requirements:

ASTM-B221-14 STENCILED ASME-SB221 2009 SECT II AMS-QQ-A-200/8A UNS#A96061 (T6511 also conforms to T6-not applicable to other tempers)

Miscellaneous Notes

MANUFACTURED IN USA MELTED IN USA

MERCURY IS NOT A NORMAL BACKGROUND ELEMENT IN ALUMINUM ALLOYS. NEITHER MERCURY NOR ANY OF ITS COMPOUNDS ARE UTILITZED BY KAISER ALUMINUM IN THE MANUFACTURE OF THIS MATERIAL.

CERTIFICATION

Kaiser Aluminum Fabricated Products, LLC hereby certifies that metal shipped under this order has been inspected and tested and found in conformance with applicable specifications forming a part of the description set forth in Kaiser's sales acknowledgement form. Any warranty is limited to that shown on Kaiser's general terms and conditions of sale. Test reports are on file, subject to examination.

Aimee L. Macnowski, Quality & Technology Manager

Aimee L. Macnowski

Plant Serial: 00286030
Kaiser Order Number: 6030643
Line Item: C02

#3125

CERTIFIED INSPECTION REPORT

We hereby certify that the material covered by this certificate has been inspected with, and has been found to meet the applicable requirements of the material and the inspection and that the inspection was conducted in accordance with the requirements of the material and the inspection and that the inspection was conducted in accordance with the requirements of the material and the inspection.

Rob Woodall
Director of Manufacturing Department Works
Quality Assurance Manager

Arconic

DAVENPORT WORKS 4879 State Street Bettendorf, IA 52722

Ship Date 3/13/92
Ship To 0
B.L. No. 1122255
Invoice No. 0000
Arconic No. 1000894587-2
Customer Customer
Arconic Item
C 74013 LNB: 2
SAMPOL SON & CO LT 0041015419R16

Page 1 of 2

Ship To:

Item Description: 0.04 IN TK (+0.0000 - .0035) X 48.0 IN W (+.125 - .125) X 344.0 IN LN (+.15625 - .15625) CAT D 126862 (N) A/T 6061-16 PLAT SHEET FOR DISTRIBUTORS TOLERANCE GUARANTEED. AMS4027 REV N ANS1135.2 REV 2013 EXC_NRK ASME-SB-209 REV 15 EXC_NRK (ASTM B209) REV 14 (MARKED) PLAT PAPER UNREMOVED MAX GROSS SKID WT: 4750 LB QUAN TOL +/- 25 % COR D126862 REV 43 CUST REQ 17-03-25 *** W/E 17-04-01 ***

Num	Package Ticket	Lot	Weight	Quantity	UOM	Inspector Clock Numbers
1	299257	487125 ✓	2926	118	PC	27279 47435 27887

Notes for COR: D126862.43
PRODUCT PRODUCED TO THE REQUIREMENTS OF AMS4027 REV N ALSO MEET THE REQUIREMENTS OF AMS-QQ-A-250_11 ORIGINAL REVISION N DATED 1997-08-01.

COR: D126862.43 -Specification Limits

Temp Dir	UTS	TYG	ELAD
T6	KSI	KSI	PCT
Long Transv.	Max	Max	Max
	Min 42.0	35.0	10

Chemical Composition

Alloy 6061	SI	FE	CU	MN	MG	CR	ZN	TI	Other
Lot: 487125	Max	0.8	0.7	0.40	0.15	1.2	0.35	0.15	0.05
	Min	0.40	0.15	0.15	0.04	0.25	0.15	0.05	0.15
									REMAIN
Temp Dir	No.→	UTS	TYG	ELAD					
T6	Long Transv.	10	48.6	40.9	12.4				

Other
Each Total Aluminum
REMAIN

22

DAVENPORT WORKS 4879 State Street Balford IA 52722

QUESTIONS 1 (100%)

SAMUEL SON & CO LT Q041015419R16

Lot: 487125 - Mechanical, Physical, Metallurgy, Quantumeter Results (cont.)

- Mechanical, Physical, Metallurgy, Quantometer Results (cont.)

... of a qualifying country [RBF DPARS 225.072.1(a)]; it was manufactured in the United States

2P

KAISER ALUMINUM

Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4441872

SHIP TO:
SOLD TO:

CUSTOMER PO NUMBER: C73458-3	WORK PACKAGE:	CUSTOMER PART NUMBER:	SHIP RUN/LOAD: 103762/19	GOV'T CONTRACT NUMBER:	
KAISER ORDER NO: 1224171-3	SHIP DATE: 1-DEC-2016	ALLOY: 2024	CLAD: BARE	TEMPER: T3	PRODUCT DESCRIPTION: Kaiser Stretched
WEIGHT SHIPPED: 3225 LB	QUANTITY: 58 PCS EST.	TRUCK B/L #: 2063781	GAUGE: 0.0800 IN (2.0320 MM)	DIAMETER/WIDTH: 48.000 IN (1219.2 MM)	LENGTH: 144.000 IN (3657.6 MM)

MHU 2062094: LOT 200838B1: 58 pieces; 0117100

DAS
48

Certified Specifications

✓ AMS 4037/RevQ
CMMP 019/RevD

✓ AMS-QQ-A-250/4/RevB
✓ CMMP 025/RevV

✓ ASTM B 209/Rev14

Test Code: 1504

Lot: 200838B1

Cast 300

Drop 98

Test Results

Ingot 2

Melted in USA

(ASTM E8/B557)

(EN 2002-1)

Tensile:	Temper	Dir / # Tests	Ultimate KSI (MPA)	Yield KSI (MPA)	Elongation %
	T3	LT / 2 (Min:Max)	66.0 : 66.6 (455 : 459)	45.6 : 46.1 (314 : 318)	17.0 : 18.1

(ASTM E1251)

Chemistry:	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER
Actual(wt%)	0.08	0.19	4.6	0.58	1.3	0.01	0.10	0.03	0.01	0.00	TOT 0.05

ALLOY LIMITS

	SI	FE	CU	MN	MG	CR	ZN	TI	V	ZR	OTHER	MAX
2024												
MIN(wt%)	0.00	0.00	3.8	0.30	1.2	0.00	0.00	0.00	0.00	0.00	EACH	0.05
MAX(wt%)	0.50	0.50	4.9	0.9	1.8	0.10	0.25	0.15	0.05	0.05	TOT	0.15

Aluminum Remainder



Trentwood Works - Spokane, WA 99215
Phone: (800) 367-2586

CERTIFIED TEST REPORT

Serial Number
4441872

CERTIFICATION

Kaiser Aluminum, Trentwood Works, is ISO 9001, AS9100, and ISO 14001 certified, and hereby certifies that all material shipped under this order:

- * has been inspected, tested, and found to be in conformance with the requirements of the specifications indicated herein.
- * All test equipment and measuring devices are calibrated and certified in accordance applicable specifications. For material thicknesses outside specification limits, mechanical properties are as shown herein and chemical composition meets specification requirements. Reported elongation values have been measured as elongation at fracture.
- * was melted in the United States of America or a qualifying country per DFARS 225.872-1(a), was manufactured in the United States of America, and meets the requirements of DFARS 252.225 for domestic content.
- * has been thermally processed in compliance with AMS 2772, where applicable.
- * is mercury free, within the limits of detection of ASTM E1215 (<1ppm).
- * is in compliance with RoHS 2, European Union Directive 2011/65/EU.
- * is in compliance with European Chemical Agency, ECHA, REACH regulations, (EC) No 1907/2006, and Kaiser regularly monitors these regulations for updates.
- * is free of Conflict Minerals, as defined in Section 15.2 of the Dodd-Frank Act.
- * is free of weld repair.
- * meets the reporting requirements of EN10204, Type 3.1.

Any warranty is limited to that shown on Kaiser Aluminum's standard general terms and conditions of sale. Test reports are on file, subject to examination. Test reports shall not be reproduced except in full, without the written approval of the Kaiser Aluminum laboratory. The recording of false, fictitious or fraudulent statements or entries on the certificate may be punished as a felony under federal law.

JAMES HEMENWAY, TECHNICAL PROCESS MANAGER



#5760

KSD-57-00

47505

740 Imperial Road North

METALLURGICAL TEST REPORT

North American Stainless Canada Inc
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

Certificate: 107119 5 Mail To:

Ship To:

Customer: 007035 510

Date: 10/22/2015 Page: 1

Steel: 303

Finish: CD

Your Order: 770967

NAS Order: PN 0056401 02

Corrosion:

PRODUCT DESCRIPTION:

Round Bar, Annealed, Cold Draw
ASTM A582/42 EN 10204 3.1, ASTM A484/11
AMS 5640U TYPE 1, QQS-764B CONDITION A
SOLUTION ANNEAL TEMP 1900F MIN

REMARKS:

COMPLIES W/REQUIREMENTS OF DPA 252.223-7009 EU DIRECTIVE
2011/65/EU, ROHS, EAF+AOD+CC, NO WELD REPAIR, MELTED AND MFG
IN USA FREE FROM MERCURY AND LOW MELTING ALLOY CONTAMINATION

DAS
14
9-89 17/07/14

Product Id	Skid #	Diameter	Size	Weight	Length	Mark	Pieces	Commodity Code
BH4444 0		7500		1.151	144.00	2	1	71469845

CHEMICAL ANALYSIS

CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)
Lab Accreditation Bureau, ISO/IEC 17025, Certificate# L2323
Chemical Analysis per ASTM A751/08

HEAT	CM	C %	CO %	CR %	CU %	MN %	MO %	N %	NI %	P %
NAB3	US	.0473	.1185	17.2650	.3305	1.7960	.2720	.0532	8.3575	.0310
	S %	SI %								
	.3495	.4945								

MECHANICAL PROPERTIES

Product Id	1 d	0 1	HB	.2YS	UTS	RA	Elong
	c z		NO.	KSI	KSI	%	% AD
BH4444 0	R L	222.0	82.69	102.54	34.29	23.26	

SAS hereby certifies that the analysis on this analysis is:

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.

ABHIJEET BHAVE -

10/22/2015



North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Ghent, KY 41045-9615
(502) 347-6000

Certificate: 253625 2 Mail To:
Customer: 007035 021

Ship To:

Date: 1/10/2017 Page: 1
Steel: 304/304L
Finish: 2B

Your Order: 788462 NAS Order: DS 0011167 01

Corrosion: ASTM A262/15, 180Bend-OK

PRODUCT DESCRIPTION:

STAINLESS STEEL COIL, C.R. ANNEALED & PICKLED. UNS 30400/30403
ASTM A240/15b, A480/15, A666/15; ASME SA240/15, SA480/15, SA666/15
MANUFACTURED IN MALAYSIA

REMARKS:

Mat'l is free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1/ RoHS 1 & 2 Compliant
Material is free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Cont. w/ISO 9001

Product Id	Supplier Id	Skid #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
110L4V	A00304 63A		.0450	48.0296	24,908	COIL	1	1	74261496

CHEMICAL ANALYSIS CM(Country of Melt) ES(Spain) US(United States) ZA(South Africa) JP(Japan)

DASHEAT	Supplier#	CM	C %	CR %	MN %	N %	NI %	P %	S %	SI %
5	004V 152R	ES	.0200	18.2000	1.8200	.0800	0.0000	.0290	.0020	.3600

MECHANICAL PROPERTIES

Product Id	Supplier Id	1 d o i	UTS KSI	20C .2% KSI	YS 20C KSI	ELONG % 2"	HARD RB	Tail Hard
110L4V	A00304 63A	FT	95.72	48.59	48.00	85.00	86.00	

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgr.
KRIS LARK
1/11/2017

#5159

Test de dureté Rockwell Rockwell Hardness Test

Client / Customer : **LES ACIERS TRANSBEC (1997) LTEE.**

Adresse / Address : **4054 BOUL. LE CORBUSIER # 201
LAVAL, QC
H7L5R2**

commande # : **6120924**

bon de commande / Purchase order # : **OU - 47030**

de matrice / Die # : **MS 9903**

Description : **3/8" ROD**

Alliage & trempage / Alloy & temper : **6061 T6** Longueur / Length : **6097 mm**

de contrôle / Control # : **82386-1**

de coulée / Cast # :

68219

Dureté Rockwell E /

Min. requis /

Max. permis /

Rockwell E hardness : **89 HRE**

Min. required : **88 HRE**

Max. permitted : **100 HRE**

Composition chimique typique / Typical chemical composition :

	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti
6063	0,20 - 0,60	0,35 Max	0,10 Max	0,10 Max	0,45 - 0,90	0,10 Max	0,10 Max	0,10 Max
6005	0,60 - 0,90	0,35 Max	0,10 Max	0,10 Max	0,40 - 0,60	0,10 Max	0,10 Max	0,10 Max
6005A	0,66 - 0,74	0,14 - 0,28	0,08 - 0,16	0,18 - 0,26	0,46 - 0,54	0,03 Max	0,05 Max	0,05 Max
6061	0,40 - 0,80	0,70 Max	0,15 - 0,40	0,15 Max	0,80 - 1,20	0,04 - 0,35	0,25 Max	0,15 Max
6351	0,7 - 1,3	0,5 Max	0,10 Max	0,40 - 0,80	0,40 - 0,80	—	0,20 Max	0,20 Max

Nous certifions que le matériel fourni rencontre les exigences chimiques telles qu'annoncées par la norme **ASTM B-221-14** excepté pour la section 8.2 (nombre de spécimen) .

We hereby certify that the material supplied meets the chemical properties as published by the ASTM B-221-14 except for section 8.2 (number of specimen) .

Sincèrement vôtre,
Yours truly,

date : **2017-01-27**



Gilles Pelletier
Technicien de la qualité
Quality technician

AL 30

ACIER OUELLETTE DIV.-VALLEYFIELD

BARRE RECT. ALUMINUM 6061-T6511
2.00" X 3.50" X 144.0000"
PART NO.

PO/Ref AC0000277

Nous certifions que le document reproduit ici est
une copie conforme du rapport fourni par le
fournisseur du matériel ou les données résultant

de l'analyse faite par un laboratoire qualifié.
SIGNÉ PAR:

BL VIM-514609-001

5Jul17
Pg 1/1

Certificate of Mill Test Results

CERTIFIED INSPECTION REPORT AND TEST RESULTS FOR EXTRUDED PRODUCTS



Can Do.

Service Center Metals

5850 Quality Way
Prince George, VA 23875

BILL TO
SHIP TO

MANIFEST NUMBER
329106
CUSTOMER PO
VIM-640685
CUSTOMER PART NUMBER
MRB0481

DIE NUMBER
MRB0481
ALLOY / TEMPER
6061-T6511
DATE OF SHIPMENT
4/11/2017
SALESPERSON
D. Schroeder (Canada)

CERTIFICATION
ASTM-B221-14 StencilCont
INSPECTION
AMS-QQA-200/8 Rev-A

OUR ORDER NUMBER	ITEM
290564	6

Quantity Certified 6,276 lbs 63 pcs

We hereby certify that the material covered by this report has been inspected in accordance with the most recent certification revision, and has been found to meet the applicable requirements described herein, including any specifications forming a part of the description, and that samples representative of the material met the composition limits and had the mechanical properties shown. Items produced and certified as 6061-T6511 also meet the requirements of 6061-T6.

Mechanical Properties

Tests	Lot No.	Test Date	Ultimate Tensile Strength (KSI)	Yield Strength (KSI)	Percent Elongation
2	201703502	3/4/17	min 50.60 max 51.40	min 47.60 max 48.50	min 15.90 max 19.30
2	201705538	4/6/17	47.40 49.50	43.90 46.20	16.30 17.60

Chemical Composition for Aluminum Alloy 6061

Cast #	Lot No.	Alloy	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	AL	Others	Total	Melt Source
001M170213B	201703502	6061	0.77	0.38	0.31	0.13	0.90	0.09	0.02	0.03	97.39	0.05	0.15	United States of America
001M170214B	201703502	6061	0.75	0.39	0.31	0.12	0.89	0.10	0.03	0.03	97.40	0.05	0.15	United States of America
03221702	201705538	6061	0.72	0.40	0.32	0.10	0.84	0.09	0.07	0.02	97.44	0.05	0.15	United States of America
03241706	201705538	6061	0.71	0.39	0.31	0.11	0.86	0.08	0.07	0.02	97.45	0.05	0.15	United States of America

SCM extrusions are manufactured in the USA.

Print Date: 4/11/2017

Calvin J. Wiggins, Director of Quality & Technical Services

NAS North American Stainless Canada Inc.
740 Imperial Road North
Guelph, ON N1K1Z3
Canada

METALLURGICAL TEST REPORT

6870 Highway 42 East
Chenit, KY 41045-9615
(502) 347-6000

Certificate: 245735 1
Customer: 007035 501

Date: 12/12/2016 Page: 1

Steel: 304

Finish: 2B

Your Order: 765809

NAS Order: PN 0072898 04

Corrosion: ASTM A262/15 A, 180Bend-OK

PRODUCT DESCRIPTION:

SANITIZED, STEEL COIL, C.N. ANNEAL & PICKLED; UNS 30400
ASTM A240/15b, A480/15, A666/15, ASME SA240/15, SA480/15, SA666/15
CHEM-ENTY ON FOLLOWING ASTM: A276/16, A479/16, A484/15, A312/16
CHEM ONLY ON FOLLOWING ASME: SA312/13, SA479/13
AMS 5513J XBRK; MIL-S-5059D AMEND3 (X CROWN WEAS)
NACE MR0175/ISO 15156-3:2009 A, BR0103/07/009766D-A X MAG PERM
MIR. SOLUTION ANNEAL TEMP 1900F, WATER QUENCHED

REMARKS:

Mat'l is free of Mercury Contamination. No weld repairs.
EN 10204:2004 3.1, 3.2, 3.3 & 3.4 Compliant
Material is free of Radioactive Contamination
Steel Making Process: EAF, AOD, & Cont. Casting
Product Mfg. by a Quality Mgt. Sys. in Cont. w/ISO 9001
*Killed & Manufactured in the USA; Mat'l is DPMs Compliant

Product Id	Coil #	Sld #	Thickness	Width	Weight	Length	Mark	Pieces	Commodity Code
04222X A	04222X A		.0360	48.0000	15,850	COIL	14	1	74257403

CHEMICAL ANALYSIS CM(Country of Melt) ES(Span) US(United States) ZA(South Africa) JP(Japan)

Heat	DAS	CM	C %	CR %	CU %	NI %	MO %	N %	NT %	P %	S %
222X	5	US	.0637	18.0080	.3655	1.7640	.2635	.0695	8.0280	.0305	.0010

0.89

BT %

.2475

MECHANICAL PROPERTIES

Product Id#	Coil #	1 d 0 1 0 2	UTS KSI	20C .2% YS KSI	20C ELONG % 2"	Hard RB	Tell Hard	Grain NO.
04222X A	04222X A	TT	103.42	56.92	47.45	89.50	89.00	10.00

NAS hereby certifies that the analysis on this certification is correct. Based upon the results and the accuracy of the test methods used, the material meets the specifications stated. These results relate only to the items tested and this report cannot be reproduced, except in its entirety, without the written approval of NAS.

Technical
Dept. Mgt.

KRIS LARK

12/12/2016

#3430

AC3886

FESS-20G 485642B

47574

Abnahmeprüfzeugnis 3.1 (EN 10204) Inspection certificate - mill certificate

Nr.: 85172797 01 / 1
Rev.: 0

Seite / page: 1 von / of 2
Datum / date: 2015 04 17

Zertifiziert nach / certified to ISO 9001, ISO/TS 16949, EN/AS 9100, ISO 14001, NADCAP

Bestell Nr. / order no.: C 69654
Datum / date: 2014 11 27
Auftragsbest. Nr. / order confirm no.: 685221
Datum / date: 2014 12 02
Lieferschein Nr. / delivery note: 85172797
Datum / date: 2015 04 30

Produkt / product Form / form: Sheet Werkstoff / material: 6061 Zustand / temper: T6 Dim. / dim.: [inch]: 0,125x48,00x144,00	Bedingungen / terms Technische Lieferbedingungen / techn. spec.: AMS QQ-A-250/11, 08.1997 ASTM B 209 - 10 AMS 4027N, 07.2008 Cessna CMMP019, Rev. D, 09-07-01 Cessna CMMP025, Rev. V, 2-20-15 Sondervorschrift / special terms:
---	---

AB-Pos ord.-item	BNr/Los/Teillos Lot/No./Part	Guss Nr. cast no.	Werkstoff material	Kollo packno.	Gewicht netto weight net	Stk. pcs.
10	69100/01/01	01/0068262/5	6061	6852210011	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210012	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210013	2367,725 lbs	28
10	69100/01/01	01/0068262/5	6061	6852210014	930,335 lbs	11

Chemische Zusammensetzung (1% Gewichtsanteile) / Chemical composition (1% weight proportion (OES))											
Guss Nr. / cast no.	material	Si	Fe	Cu	Mn	Mg	Cr	Zn	Ti	Others Esch	Others Total
01/0068262/5	6061	0,40	-	0,15	-	0,80	0,04	-	-	-	-
	spec. min.	0,80	0,70	0,40	0,15	1,20	0,35	0,25	0,15	0,05	0,15
	spec. max.	0,71✓	0,41✓	0,22✓	0,14✓	0,97✓	0,17✓	0,11✓	0,04✓	0,02✓	0,04✓
	actual										

Zugprüfung LT / tensile test LT							
BNr/Los Lot/No.	Zustand temper	Richtung direction	Tests	UTS [ksi]	YS [ksi]	A2" [%]	
			spec.min.	42,0	35,0	10	
			spec.max.	-	-	-	
69100/01	T6	LT	8	from 47,1✓	41,2✓	14✓	
69100/01	T6	LT		to 48,0	42,1	15	



4910941

0910826
0910827
0910828
0910829

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B0.750x6.0

PO / BATCH NO.: P036886/M137930

DATE: 11.07.11

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 20'
 QUANTITY INSPECTED: 20'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 6.750
 THICKNESS RECEIVED: .748
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/>	N	
CORROSION	Y	<input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/>	N	ASTM B221
CORRECT THICKNESS	<input checked="" type="radio"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/>	N	52D160317
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>9</u> <u>9-89</u>		SIGNED OFF BY: _____	
DATE: <u>11.07.11</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QA-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QA-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221 .150 Y 6.00

PART NUMBER:

M6061T6B | T.TTT | X | WWW.WWW/
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

9
3.89

REV	DESCRIPTION	DATE
B	REMOVE QA-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZIN D7-1)	09.07.13
A	NEW ISSUE	01.06.08
DESIGN	DS	BY
DRAWN	DS	DATE
CHECKED	DS	
MFG. APPR	DS	
APPROVED	DS	
DE APPR	DS	
DATE	09.07.13	

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. M6061T6B	REV. B
TITLE 6061-T6 BAR	SHEET 1 OF 1
SCALE NTS	

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THE WRITTEN PERMISSION OF DART AEROSPACE LTD.

RELEASED
2009-09-03
MAD

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1606176 B.750X1.500

PO / BATCH NO.: 36886/137980

DATE: 17/07/10

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: .750

QUANTITY RECEIVED: 60

THICKNESS RECEIVED: .750

QUANTITY INSPECTED: 60

SHEET SIZE ORDERED: _____

QUANTITY REJECTED: _____

SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM-221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HEAT# 68549
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M1606176 B.750X1.500
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>[Signature]</u>	SIGNED OFF BY: _____		
DATE: <u>17/07/10</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW |
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

9.89
9
DAS
1.50 X 1.500

RELEASED
2009-09-03
MJD

DESIGN	DS	DESCRIPTION	CP	09.07.13
DRAWN	DS	DART AEROSPACE LTD	DS	01.06.08
CHECKED	DS	HAWKESBURY, ONTARIO, CANADA	BY	DATE
MFG. APPR.	DS	DRAWING NO.	REV. B	SHEET 1 OF 1
APPROVED	DS	M6061T6B	SCALE	NTS
DATE	09.07.13	TITLE	6061-T6 BAR	

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6B0.750x3.00

PO / BATCH NO.: P036886 / M137930

DATE: 11-07-11

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 10
 QUANTITY INSPECTED: 10
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .747
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTM B221
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	3B3822
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>9</u>		SIGNED OFF BY: _____	
DATE: <u>11-07-11</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/415/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER:

M6061T6B | T.TTT | X | WWW.WWW/

THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

DAS
9
9-89
.150 X 8.00

RELEASED
2009-05-03
ND

REV		DESCRIPTION		CP	09.07.13
B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD	DS			
A	ASTM B211/B221 (Zn D7-1)	DS			
NEW ISSUE		BY	DATE		
DESIGN		DART AEROSPACE LTD			
DRAWN		HAWKESBURY, ONTARIO, CANADA			
CHECKED		DRAWING NO. M6061T6B			
MFG. APPR.		REV. B			
APPROVED		SHEET 1 OF 1			
DE APPR.		SCALE			
DATE		NTS			
09.07.13		6061-T6 BAR			

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IT IS TO BE USED FOR THE PURPOSES FOR WHICH IT WAS ISSUED.
IT IS NOT TO BE REPRODUCED OR COPIED IN ANY MANNER WITHOUT
WRITTEN PERMISSION FROM DART AEROSPACE LTD.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: H6061 T631.00X2.00

PO / BATCH NO.: 9036886 / M137980

DATE: 12.07.11

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.00"

QUANTITY RECEIVED: 20'

THICKNESS RECEIVED: .097"

QUANTITY INSPECTED: 20'

SHEET SIZE ORDERED:

QUANTITY REJECTED: 0

SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	(N)	
CORRECT FINISH	(Y)	N	
CORROSION	Y	(N)	
CORRECT GRAIN DIRECTION	(Y)	N	
CORRECT MATERIAL PER M-DRAWING	(Y)	N	ASTM B221
CORRECT THICKNESS	(Y)	N	
PHOTO REQUIRED	Y	(N)	
CORRECT REF # TO LINK CERT	(Y)	N	HT# 67956
CORRECT MATERIAL IDENTIFICATION	(Y)	N	
CORRECT M# ON THE MATERIAL	(Y)	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	(N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	(N)	

CUT SAMPLE PIECE OF MATERIAL AND PERFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>9</u> <u>389</u>		SIGNED OFF BY: <u></u>	
DATE: <u>12.07.11</u>		DATE: <u></u>	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QA-A-225/8 OR AMS-QA-A-225/8 (OR AMS 4117/4128/415/4116)
OR QA-A-200/8 OR AMS-QA-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221 1.00 X 2.00 9-89

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW |
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
2009-05-03
MAD

REV	DESCRIPTION	DATE
A	REMOVE QA-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZND7-1)	09.07.13
B	NEW ISSUE	01.06.08
DESIGN	DS	DATE
DRAWN	DS	DATE
CHECKED	DS	DATE
MFG. APPR.	DS	DATE
APPROVED	DS	DATE
DE APPR.	DS	DATE
DATE	09.07.13	

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. M6061T6B	REV. B
TITLE 6061-T6 BAR	SHEET 1 OF 1
SCALE NTS	

NOT TO BE USED FOR ANY PURPOSE OR ON ANY DRAWING OR DOCUMENT WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061TL B4.50X4.50
 DATE: 17/07/10

PO / BATCH NO.: 36886 / 137980

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 4'
 QUANTITY INSPECTED: 4'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 4.50
 THICKNESS RECEIVED: 4.50
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	<u>AB8M-B221-14</u>
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	<u>HEAT# 107012</u>
CORRECT MATERIAL IDENTIFICATION	(Y) N	<u>M6061TL B4.50 X 4.50</u>
CORRECT M# ON THE MATERIAL	(Y) N	<u>M137980</u>
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS 9 9-99</u> DATE: <u>17/07/10</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QA-A-225/8 OR AMS-QA-225/8 (OR AMS 4117/4128/415/416)
OR QA-A-200/8 OR AMS-QA-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

OPS
9
4.50 x 4.50
3.89

PART NUMBER:

M6061T6B | T.TTT | X | WW.WWW |
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
N 2009-09-03
MAD

B	REMOVE QA-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (ZIN D7-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED	DS		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		

DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA	
DRAWING NO. M6061T6B	REV. B
TITLE 6061-T6 BAR	SHEET 1 OF 1
DATE 09.07.13	SCALE NTS

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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061TLB2.00X3.50
 DATE: 12.07.11

PO / BATCH NO.: P036886/M137730

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 12'
 QUANTITY INSPECTED: 12'
 QUANTITY REJECTED: 0

THICKNESS ORDERED: 2.00
 THICKNESS RECEIVED: 2.02
 SHEET SIZE ORDERED: N/A
 SHEET SIZE RECEIVED: N/A

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/>	
CORRECT FINISH	<input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> N	ASTM B221
CORRECT THICKNESS	<input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> N	HT# 001H170213B
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>9-89</u>	SIGNED OFF BY: _____
DATE: <u>12.07.11</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION:

QA-A-225/8 OR AMS-QA-225/8 (OR AMS 4117/4128/415/4116)
OR QA-A-200/8 OR AMS-QA-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B21

PART NUMBER:

M6061T6B | T.TTT | X | WWW.WWW |
THICK | WIDTH

2.00Y 3.50

0.5
9
9.89

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

RELEASED
2009-05-03
ND

B		REMOVE QA-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (Zn D7-1)		CP	09.07.13
A		NEW ISSUE		DS	01.06.08
REV		DESCRIPTION			
DESIGN		DS		DART AEROSPACE LTD	
DRAWN		DS		HAWKESBURY, ONTARIO, CANADA	
CHECKED		DS		DRAWING NO. M6061T6B	
MFG. APPR.		DS		TITLE	
APPROVED		DS		6061-T6 BAR	
DE APPR.		DS		COMPLIANT TO 2001 BY DART AEROSPACE LTD	
DATE		09.07.13		THIS DOCUMENT IS THE PROPERTY OF DART AEROSPACE LTD. IT IS TO BE USED FOR THE PURPOSES SPECIFIED IN THE ORDER. IT IS NOT TO BE USED FOR ANY OTHER PURPOSES WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD.	
REV. B		SHEET 1 OF 1		SCALE	
NTS					

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WWW.WWW | THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

DAS
14
9-89

1.00X4.00

17/67/14

RELEASED
R 2009-08-03
MAD

B		REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211B211 (Zn 07-1)		CP	09.07.13
A		NEW ISSUE		DS	01.06.08
REV.		DESCRIPTION		BY	DATE
DESIGN	DS	DART AEROSPACE LTD			
DRAWN	DS	HAWKESBURY, ONTARIO, CANADA			
CHECKED	DS	DRAWING NO.			
MFG. APPR.	DS	M6061T6B			
APPROVED	DS	TITLE			
DE APPR.	DS	6061-T6 BAR			
DATE	09.07.13	SCALE			
		NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: ML06/TL6 B1.000X4.00
 DATE: 12/07/14

PO / BATCH NO.: 36886/137980

MATERIAL CERT REC'D: YES
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HEATH 3B5906
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ML06/TL6 B1.000X4.00
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: _____	14 9-89	SIGNED OFF BY: _____	
DATE: <u>12/07/14</u>		DATE: _____	

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061T6 B1.500x1.25

PO / BATCH NO.: 36886/137980

DATE: 17/07/14

MATERIAL CERT REC'D: yes

THICKNESS ORDERED: 1.25

QUANTITY RECEIVED: 12

THICKNESS RECEIVED: 1.25

QUANTITY INSPECTED: 12

SHEET SIZE ORDERED: _____

QUANTITY REJECTED: _____

SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM B221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HEAT# 17025431A
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M6061T6 B1.500x1.25
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input type="checkbox"/> N <input checked="" type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: _____ DATE: _____	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TTT | X | WWW.WWWW |
THICK | WIDTH

WHERE "T.TTT" = THICKNESS IN INCHES
"WWW.WWWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

DAS

14

9-89

1.25 X 1.50

RELEASED
R 2009-09-03

B	REMOVE QQ-A-250/11 OPTION, REFORMAT NOTES, ADD ASTM B211B221 (EN 17-1)	CP	09.07.13
A	NEW ISSUE	DS	01.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	DS		
CHECKED	DS		
MFG. APPR.	DS		
APPROVED	DS		
DE APPR.	DS		
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6B			
REV. B SHEET 1 OF 1			
TITLE 6061-T6 BAR			
SCALE NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M303 R.750
 DATE: 12/07/14

PO / BATCH NO.: 36886/137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24
 QUANTITY INSPECTED: 24
 QUANTITY REJECTED: _____

THICKNESS ORDERED: .750
 THICKNESS RECEIVED: .750
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORROSION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	ASTM A582
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	HEAT# W4753
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M303 R.750
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	M137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N <input type="checkbox"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>9-89</u> <u>12/07/14</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 303 SS ROUND BAR
 (NOTE: AISI 304/316 NOT ACCEPTABLE)
 SPECIFICATION: ASTM A582
 PART NUMBER: M303RD.DDD
 WHERE "D DDD" = DIAMETER IN INCHES
 EG. 0.75" ROUND BAR = M303RD.750

750
 DAS
 14
 9-89

RECEIVED
 2010-02-02
 MKD

B	REFORMAT DWG. ADD SPECS (ZIN DB-1).	CP	10.01.05
A	NEW ISSUE	DS	01.12.20
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	10.01.05		

DART AEROSPACE LTD		REV. B
HAWKESBURY, ONTARIO, CANADA		SHEET 1 OF 1
DRAWING NO.	M303R	SCALE
TITLE	303 ROUND BAR	NTS

DATE: 10.01.05
 DART AEROSPACE LTD
 1000 HWY 10, HAWKESBURY, ONTARIO, CANADA
 TEL: (519) 835-1111 FAX: (519) 835-1112
 WWW.DARTAEROSPACE.COM
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M1606176 R.375
 DATE: 17/07/14

PO / BATCH NO.: 3108810/137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 120
 QUANTITY INSPECTED: 20
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.375
 THICKNESS RECEIVED: .375
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	Y <input checked="" type="checkbox"/> N	ASTM A221
CORRECT THICKNESS	Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	Y <input checked="" type="checkbox"/> N	HEATH 6829
CORRECT MATERIAL IDENTIFICATION	Y <input checked="" type="checkbox"/> N	M1606176 R.375
CORRECT M# ON THE MATERIAL	Y <input checked="" type="checkbox"/> N	M137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>14</u> <u>9 89</u>	SIGNED OFF BY: _____		
DATE: <u>17/07/14</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

DAS

14

9-89

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM ROUND BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6R0.DDD

WHERE "D.DDD" = DIAMETER IN INCHES
EG. 5/8" ROUND BAR = M6061T6R0.625

375

RELEASED
2009-09-09

B	RECONMAT DNG ADD B211& B221 SPEC (2N 08-1)	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DART AEROSPACE LTD		
DRAWN	HAWKESBURY, ONTARIO, CANADA		
CHECKED	DRAWING NO.		REV. B
MFG. APPR.	M6061T6R		SHEET 1 OF 1
APPROVED	TITLE		SCALE
DE APPR.	6061-T6 ROUND BAR		NTS
DATE	09.07.13		

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NOT TO BE USED FOR ANY OTHER PURPOSE WITHOUT THE WRITTEN PERMISSION OF DART AEROSPACE LTD

MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6.06 IT6 B1.00X6.00
 DATE: 17/07/14

PO / BATCH NO.: 36886/137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 24'
 QUANTITY INSPECTED: 24'
 QUANTITY REJECTED: _____

THICKNESS ORDERED: 1.00
 THICKNESS RECEIVED: 1.00
 SHEET SIZE ORDERED: _____
 SHEET SIZE RECEIVED: _____

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM B221
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HEAT # 36576
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	M6.06 IT6 B1.00X6.00
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	M136980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>14</u> DATE: <u>17/07/14</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T651/T6510/T6511/T62 ALUMINUM BAR

SPECIFICATION: QQ-A-225/8 OR AMS-QQ-A-225/8 (OR AMS 4117/4128/4115/4116)
OR QQ-A-200/8 OR AMS-QQ-A-200/8 (OR AMS 4160)
OR ASTM B211 OR ASTM B221

PART NUMBER: M6061T6B | T.TT | X | WW.WWW |
THICK | WIDTH

WHERE "T.TT" = THICKNESS IN INCHES
"WW.WWW" = WIDTH IN INCHES

E.G. 1.0" X 12.0" BAR = M6061T6B1.000X12.000

1.00X12.00

RELEASED
2009-09-03

B	REMOVE QQ-A-225/11, OPTION, REFORMAT NOTES, ADD ASTM B211/B221 (Zn D741)	CP	09.07.13
A	NEW ISSUE	DS	01.08.08
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN			
CHECKED	AS		
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6B			
REV. B			
SHEET 1 OF 1			
TITLE 6061-T6 BAR			
SCALE NTS			
DATE 09.07.13			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M 2024T35.080

PO / BATCH NO: PO 36886/137980

DATE: 17/07/15

MATERIAL CERT REC'D: yes

QUANTITY RECEIVED: 48

QUANTITY INSPECTED: 48

QUANTITY REJECTED: 0

THICKNESS ORDERED: .080

THICKNESS RECEIVED: 4x12 .079

SHEET SIZE ORDERED: 4x12

SHEET SIZE RECEIVED: 4x12

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y N	
CORROSION	Y <input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	2024 T3
CORRECT THICKNESS	<input checked="" type="radio"/> Y N	
PHOTO REQUIRED	Y <input checked="" type="radio"/> N	
CORRECT MATERIAL	<input checked="" type="radio"/> Y N	ASTM B209
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y N	Heat # 300
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y N	M 2024T35.080
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y N	M 137980
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW				
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D
		N	A	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>48</u>	SIGNED OFF BY: _____
DATE: <u>17/07/15</u>	DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 2024-T3 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/4 OR AMS-QQ-A-250/4
OR AMS-4637
OR ASTM B209

PART NUMBER: M2024T3S-XXX THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M2024T3S.063

PREFERRED SIZE: .XXX BY 4FT BY 10FT

RELEASED
R 2009-03-03

B	REFORMAT DWG. ADD ASTM B209 SPEC (Zn DB-1). PAR 09-020A	CP	09.07.07
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.07		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M2024T3S			
SHEET 1 OF 1			
SCALE NTS			
2024-T3 SHEET SPEC			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M606/T6S.040

PO / BATCH NO.: P036886/M137980

DATE: JUL 18 2017

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 6459F+
 QUANTITY INSPECTED: 6459F+
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
 THICKNESS RECEIVED: .045
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y (N)	
CORRECT FINISH	(Y) N	
CORROSION	Y (N)	
CORRECT GRAIN DIRECTION	(Y) N	
CORRECT MATERIAL PER M-DRAWING	(Y) N	ASm B209
CORRECT THICKNESS	(Y) N	
PHOTO REQUIRED	Y (N)	
CORRECT REF # TO LINK CERT	(Y) N	HT # T114421
CORRECT MATERIAL IDENTIFICATION	(Y) N	
CORRECT M# ON THE MATERIAL	(Y) N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y (N)	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y (N)	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL	HRC	HRB	DUR A	DUR D	
SIZE OF TEST SAMPLE					
HARDNESS / DUROMETER READING					

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> <u>9-89</u> DATE: <u>JUL 18 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET

SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS-4026 OR AMS 4027
OR ASTM B209

PART NUMBER: M6061T6S-XXX
THK

WHERE "XXX" = SHEET THICKNESS (IN INCHES)

EG. 0.063" THICK SHEET = M6061T6S.063

PREFERRED SIZE: .XXX BY 4FT BY 8FT

RELEASED
R 2009-09-10

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1). REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M6061T6S			
TITLE 6061-T6 SHEET SPEC			
REV. B SHEET 1 OF 1			
SCALE NTS			
DATE 09.07.13			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S186A
 DATE: JUL 19 2017

PO / BATCH NO.: PO36886/M137980

MATERIAL CERT REC'D: yes
 QUANTITY RECEIVED: 6458ft
 QUANTITY INSPECTED: 6458ft
 QUANTITY REJECTED: 0

THICKNESS ORDERED: .050
 THICKNESS RECEIVED: .050
 SHEET SIZE ORDERED: 4x8
 SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)	COMMENTS
SURFACE DAMAGE	Y <input checked="" type="checkbox"/> N	
CORRECT FINISH	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORROSION	Y <input checked="" type="checkbox"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	ASTM A240
CORRECT THICKNESS	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
PHOTO REQUIRED	Y <input checked="" type="checkbox"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	HT# 064V
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
CORRECT M# ON THE MATERIAL	<input checked="" type="checkbox"/> Y <input checked="" type="checkbox"/> N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y <input checked="" type="checkbox"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y <input checked="" type="checkbox"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION	ENGINEERING SIGNOFF (if required)
INSPECTED BY: <u>DAS</u> <u>5</u> DATE: <u>JUL 19 2017</u>	SIGNED OFF BY: _____ DATE: _____

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION:

MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
OR ASTM A240
OR ASME SA240

FINISH:

FINISH
UNPOLISHED No. 1
UNPOLISHED No. 2D
UNPOLISHED No. 2B
POLISHED No. 3
POLISHED No. 4
POLISHED No. 6
BUFFED No. 7
BUFFED No. 8

DART M-NUMBER
IDENTIFIER
1P
2D
NONE
3P
4P
6P
7P
8P

PART NUMBER:

M304S TT GA #P
GA

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED

2015 FEB 04

ECN 15-122

D	ADDED GAUGES 0-7.	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN CB) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZN BS).	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (CB-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304S			
TITLE 304/316 SS SHEET			
SHEET 1 OF 1			
SCALE NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M304S20GA
DATE: JUL 20 2017

PO / BATCH NO.: P036886/M137980

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 64592+
QUANTITY INSPECTED: 64592+
QUANTITY REJECTED: 0

THICKNESS ORDERED: .040
THICKNESS RECEIVED: .035
SHEET SIZE ORDERED: 4x8
SHEET SIZE RECEIVED: 4x8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/>	
CORRECT FINISH	<input checked="" type="radio"/>	N	
CORROSION	Y	<input checked="" type="radio"/>	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/>	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/>	N	Astm A240
CORRECT THICKNESS	<input checked="" type="radio"/>	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/>	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/>	N	Ht # 222X
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/>	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/>	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/>	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/>	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAG</u> <u>5</u>	SIGNED OFF BY: _____		
DATE: <u>JUL 20 2017</u> <u>9-89</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED

SPECIFICATION:

MIL-S-5059
OR AMS 5513 (304) **DAS**
OR AMS 5624 (316) **5**
OR ASTM A240
OR ASME SA240

FINISH:

FINISH
UNPOLISHED No. 1
UNPOLISHED No. 2D
UNPOLISHED No. 2B
POLISHED No. 3
POLISHED No. 4
BUFFED No. 6
BUFFED No. 7
BUFFED No. 8

DART M-NUMBER
IDENTIFIER
1P
2D
NONE
3P
4P
6P
7P
8P

PART NUMBER:

M304S TT GA #P
GA

WHERE "TT" = GAUGE THICKNESS
WHERE "#P" = FINISH IDENTIFIER

EG. 16 GAUGE SS SHEET 2B FINISH = M304S16GA
EG. 16 GAUGE SS SHEET No. 4 POLISHED = M304S16GA4P

GAUGE THICKNESS REFERENCE:

GAUGE	NOM. THICK. (IN)	THICKNESS RANGE (IN)
26	0.01875	0.0178 - 0.019
25	0.021875	0.0199 - 0.023
24	0.025	0.024 - 0.026
23	0.028125	0.027 - 0.029
22	0.03125	0.030 - 0.032
21	0.034375	0.033 - 0.035
20	0.0375	0.036 - 0.040
19	0.04375	0.041 - 0.046
18	0.050	0.047 - 0.052
17	0.05625	0.053 - 0.058
16	0.0625	0.059 - 0.065
15	0.0703125	0.066 - 0.072
14	0.078125	0.073 - 0.083
13	0.09375	0.084 - 0.098
12	0.109375	0.099 - 0.114
11	0.125	0.115 - 0.130
10	0.140625	0.131 - 0.145
9	0.15625	0.146 - 0.160
8	0.171875	0.161 - 0.176
7	0.1875	0.182 - 0.194
6	0.2031	0.194 - 0.212
5	0.2188	0.201 - 0.228
4	0.2344	0.225 - 0.243
3	0.2500	0.238 - 0.262
2	0.2656	0.254 - 0.278
1	0.2813	0.269 - 0.293
0	0.3125	0.301 - 0.325

RELEASED

2015 FEB 04

ECO 15-322

D	ADDED GAUGES 0-7	AJS	15.01.06
C	DEFINED FINISH OPTION (ZN CB) AND EXAMPLE OF MATERIAL FIN WITH FINISH OTHER THAN 2B (ZN B5)	MB	12.09.20
B	REFORMAT DWG. ADD ASTM/ASME SPECS (ZN D8-1), ADD GAUGE REF (CB-1), REF PAR 08-020A	CP	09.06.01
A	NEW ISSUE	DS	01.09.24
REV.	DESCRIPTION	BY	DATE
DESIGN	DS		
DRAWN	AJS		
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	15.01.06		
DART AEROSPACE LTD HAWKESBURY, ONTARIO, CANADA			
DRAWING NO. M304S			
REV. D			
SHEET 1 OF 1			
TITLE 304/316 SS SHEET			
SCALE NTS			
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MATERIAL RECEIPT INSPECTION FORM

MATERIAL: M6061H63.125
DATE: JUL 20 2017

PO / BATCH NO.: PO36886/M137980

MATERIAL CERT REC'D: yes
QUANTITY RECEIVED: 3259FT
QUANTITY INSPECTED: 3259FT
QUANTITY REJECTED: 0

THICKNESS ORDERED: .125
THICKNESS RECEIVED: .125
SHEET SIZE ORDERED: 4X8
SHEET SIZE RECEIVED: 4X8

DESCRIPTION	NCR (Check Y/N)		COMMENTS
SURFACE DAMAGE	Y	<input checked="" type="radio"/> N	
CORRECT FINISH	<input checked="" type="radio"/> Y	N	
CORROSION	Y	<input checked="" type="radio"/> N	
CORRECT GRAIN DIRECTION	<input checked="" type="radio"/> Y	N	
CORRECT MATERIAL PER M-DRAWING	<input checked="" type="radio"/> Y	N	ASTM B209
CORRECT THICKNESS	<input checked="" type="radio"/> Y	N	
PHOTO REQUIRED	Y	<input checked="" type="radio"/> N	
CORRECT REF # TO LINK CERT	<input checked="" type="radio"/> Y	N	HT #01/0068262/5
CORRECT MATERIAL IDENTIFICATION	<input checked="" type="radio"/> Y	N	
CORRECT M# ON THE MATERIAL	<input checked="" type="radio"/> Y	N	
DOES THIS MATERIAL REQUIRE ENGINEERING SIGN OFF	Y	<input checked="" type="radio"/> N	
DOES THIS REQUIRE AN EXTRUSION REPORT	Y	<input checked="" type="radio"/> N	

CUT SAMPLE PIECE OF MATERIAL AND PREFORM A HARDNESS CHECK. RECORD RESULTS BELOW					
TYPE OF MATERIAL SIZE OF TEST SAMPLE HARDNESS / DUROMETER READING	HRC	HRB	DUR A	DUR D	

testers located in the Quality Office

QC 18 INSPECTION		ENGINEERING SIGNOFF (if required)	
INSPECTED BY: <u>DAS</u> <u>5</u> <u>8-89</u>	SIGNED OFF BY: _____		
DATE: <u>JUL 20 2017</u>	DATE: _____		

Attach this inspection sheet with the corresponding material cert and remit to be scanned and received in

SPECIFICATION CONTROL DRAWING

PURCHASE MATERIAL: 6061-T6/T62 ALUMINUM SHEET
SPECIFICATION: QQ-A-250/11 OR AMS-QQ-A-250/11
OR AMS-4026 OR AMS 4027
PART NUMBER: ~~M6061T6S~~ **DAS** **5** **0.063** THK
WHERE ".XXX" = SHEET THICKNESS (IN INCHES)
EG. 0.063" THICK SHEET = M6061T6S.063
PREFERRED SIZE: .XXX BY 4 FT BY 8 FT

RELEASED
R 2009-09-10
MSP

B	REFORMAT DWG. ADD B209 SPEC (ZN D8-1). REF PAR 08-020A	CP	09.07.13
A	NEW ISSUE	DS	01.06.08
REV.	DESCRIPTION	BY	DATE
DESIGN			
DRAWN			
CHECKED			
MFG. APPR.			
APPROVED			
DE APPR.			
DATE	09.07.13		

DART AEROSPACE LTD	REV. B
HAWKESBURY, ONTARIO, CANADA	SHEET 1 OF 1
DRAWING NO.	
M6061T6S	
TITLE	
6061-T6 SHEET SPEC	
SCALE	
NTS	

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Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 1 of 8

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

E-MAILED
JUN 29 2017

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

Line Nbr	Reference Vendor Part Number Line Comments Delivery Comments	Description/ Mfg ID	Req Date/ Taxable Promise Date	CD	Req Qty/ Unit of Measure	PO Unit Price	Extended Price
1	M6061T6B0.750X06.000	6061T6 BAR .750 X 6.00	7/4/2017 Yes 7/4/2017		20.00 f	\$16.49	\$329.86
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
Line Total:							\$329.86
2	M6061T6B0.750X01.500	6061-T6 Bar .750 X 1.50	7/4/2017 Yes 7/4/2017		60.00 f	\$3.46	\$207.32
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
Line Total:							\$207.32

DAS
3
9-89

SEP-7-10

Note:

6/29/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 2 of 8

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

3	M6061T6B0.750X08.000	6061-T6 BAR .750" X 8.00"	7/4/2017	12.00	\$18.40	\$220.85
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Yes

7/4/2017

DAS
9
9-89

f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$220.85

4	M6061T6B1.000X02.000	6061-T6 Bar 1.00 x 2.00	7/4/2017	20.00	\$6.14	\$122.86
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Yes

7/4/2017

DAS
9
9-89

f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$122.86

5	M6061T6B1.000X04.000	6061-T6 Bar 1.00 x 4.00	7/4/2017	20.00	\$13.77	\$275.47
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Yes

7/4/2017

f

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Note:

6/29/2017

8817-7-10



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 3 of 8

Order From :

VC-CAM002

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

						Line Total:	\$275.47
6	M6061T6B1.000X06.000	6061T6 BAR 1.00 X 6.00	7/4/2017 Yes 7/4/2017	24.00 f		\$19.38	\$465.23
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
						Line Total:	\$465.23
7	M6061T6B1.000X12.000	6061-T6 Bar 1.00 x 12.00	7/4/2017 Yes 7/4/2017	12.00 f		\$45.86	\$550.37
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
						Line Total:	\$550.37

Note:

6/29/2017



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1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 4 of 8

Order From :

VC-CAM002

Ship To : DART AEROSPACE LTD

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

8	M6061T6B1.500X01.250	6061-T6 Bar 1.50 x 1.25	7/4/2017	12.00	\$6.39	\$76.65
			Yes	f		
			7/4/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$76.65

9	M6061T6B4.500X4.500	6061-T6 Aluminum Bar 4.500" X 4.500"	7/4/2017	4.00	\$87.49	\$349.95
			No	f		
			7/4/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$349.95

10	M6061T6S.040	6061-T6 .040 Sheet	7/4/2017	64.00	\$7.60	\$486.43
			Yes	sf		
			7/4/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Note:

6/29/2017

2017-7-10



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 5 of 8

Order From :

VC-CAM002

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

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Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

						Line Total:	\$486.43
11	M6061T6S.125	6061-T6 .125 Sheet	7/4/2017 Yes 7/4/2017	32.00 sf	\$6.46	\$206.57	
MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116 OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR ASTM B221							
						Line Total:	\$206.57
12	M2024T3S.080	2024-T3 .080 sheet	7/4/2017 Yes 7/4/2017	48.00 sf	\$6.47	\$310.35	
MATERIAL: 2024-T3 ALUMINUM SHEET AS PER QQ-A-250/4 OR AMS-QQ-A-250/4 OR AMS 4037 OR ASTM B209							
						Line Total:	\$310.35

SEP-7-10

Note:

6/29/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
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PURCHASE ORDER

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Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 6 of 8

Order From :

VC-CAM002

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
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Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms Net 30

Currency CAD

FOB FCA - (Free Carrier)

13	M303R0.750	303 Round Bar 0.750	7/4/2017 Yes 7/4/2017	24.00 f	\$5.26	\$126.17
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MATERIAL: AISI 303 SS ROUND BAR AS PER ASTM A582

NOTE: AISI 304/316 NOT ACCEPTABLE

14	M304S18GA	304/316 .050 Sheet	7/4/2017 Yes 7/4/2017	64.00 sf	\$5.36	\$342.72
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PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$126.17

Line Total: \$342.72

Note:

6/29/2017



Dart Aerospace Ltd.
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Hawkesbury, ON K6A 1K7
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PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 7 of 8

Order From :

VC-CAM002

Ship To :

DART AEROSPACE LTD

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

1270 ABERDEEN
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CANADA

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Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax # 10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA (Free Carrier)

15	M304S20GA	304/316 .040 Sheet	7/4/2017 Yes 7/4/2017	64.00 sf	\$3.91	\$250.14
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PURCHASE MATERIAL: AISI 304/316 SS SHEET
ANNEALED
SPECIFICATION: MIL-S-5059
OR AMS 5513 (304)
OR AMS 5524 (316)
ORASTMA240
OR ASME SA240

Line Total: \$250.14

16	M6061T6R0.375	6061-T6 Round Bar .375"	7/4/2017 Yes 7/4/2017	20.00 f	\$0.39	\$7.85
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MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM ROUND BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

Line Total: \$7.85

Note:

6/29/2017



Dart Aerospace Ltd.
1270 Aberdeen Street
Hawkesbury, ON K6A 1K7
Tel: 613 632 9577
Fax: 613 632 1053

PURCHASE ORDER

Purchase Order ID **PO36886**

Purchase Order Date 6/29/2017

PO Print Date 6/29/2017

Page Number 8 of 8

Order From :

VC-CAM002

ACIER OUELLETTE INC.
935 BOUL. DU HAVRE
VALLEYFIELD, QC J6S 5L1
CA

Ship To : DART AEROSPACE LTD

1270 ABERDEEN
HAWKESBURY, ON K6A 1K7
CANADA

Contact Name

Vendor Phone 800 667 4248

Ship To Contact

Ship To Phone

Ship Via: Yours ppd

Ship Acct:

Buyer

Chantal Lavoie

Customer POID

Customer Tax #

10127-2607

Terms

Net 30

Currency

CAD

FOB

FCA - (Free Carrier)

17	M6061T6B2.000X03.500	6061-T6 Bar 2.00 x 3.50	7/4/2017	12.00	\$14.35	\$172.21
			Yes	f		
			7/4/2017			

MATERIAL: 6061-T6/T6510/T6511/T62 ALUMINUM BAR
AS PER QQ-A-225/8 OR AMS-QQ-A-225/8 OR AMS 4117/4128/4115/4116
OR QQ-A-200/8 OR AMS-QQ-A-200/8 OR AMS 4160 OR ASTM B211 OR
ASTM B221

DAS
9
9-89

Line Total: \$172.21

18	71401-45	PROCUREMENT QUALITY CLAUSES	7/4/2017	1.00	\$0.00	\$0.00
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Procurement Quality Clauses

A005 right of entry
A012 chemical and physical test report
A016 personnel qualification
A017 raw material identification (as applicable)
A026 certification of material conformance
A041 quality management system
A042 dart notification by supplier
A043 retention of quality document

No
7/4/2017

Line Total: \$0.00

PO Total: \$4,501.00

Note: Terms & Condition of Purchasing(Suppliers) and Procurement Quality Clauses are an integral part of our AS9100 requirements. To learn in detail, please visit www.dartaerospace.com for further explanation.

Change Nbr: 1

Change Date: 6/29/2017